



State of Alabama
Department of Finance
Division of Purchasing
Master Agreement
Modification

CONTRACT INFORMATION

MASTER AGREEMENT NUMBER: MA 999 180000000350

NOT TO EXCEED AMOUNT:

Begin Date: 08/03/2018

Procurement Folder: 589720

Expiration Date: 08/03/2020

Procurement Type: Master Agreement

Solicitation Number:

Replaces Award Document:

Award Date:

Replaced by Award Document:

Modification Date: 07/18/19

Version Number: 3

CONTACT INFORMATION

REQUESTOR:

Patrick Hemme

334-242-7173

Pat.Hemme@purchasing.alabama.gov

ISSUER:

Patrick Hemme

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BUYER:

Patrick Hemme

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CONTRACT DESCRIPTION

MA - AERIAL PLATFORM , SIGN AND UTILITY BODY
AERIAL PLATFORM BID, SIGN AND UTILITY BODY BID

Ship To:

Bill To:

REASON FOR MODIFICATION

VENDOR INFORMATION

Name /Address:

VC000052793: Altec Industries Inc

33 Inverness Ct Pkwy S110

Birmingham AL 35242

Contact:

Jay Hale
2052435000
jay.hale@altec.com

COMMODITY / SERVICE INFORMATION

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
1	0	EA	\$91,588.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility
 41 FT. PERSONNEL-2 MAN, SIGN BODY
 41 FT. PERSONNEL AERIAL WITH 24X48 BUCKET, 2-MAN PLATFORM.
 180 DEGREE ROTATOR ON SIGN BODY (25,999 GVWR, 108" CA CHASSIS)
 SEE LINE 01 OF SPECIFICATIONS.

MAKE: _____
 MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
2	0	EA	\$95,208.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility
 41 FT. MATERIAL HANDLING, SIGN BODY
 41 FT. MATERIAL HANDLING W/ JIB WINCH. 24X30 PLATORM W/
 180 DEGREE ROTATOR ON SIGN BODY (25,999 GVWR, 108" CA CHASSIS)
 SEE LINE 02 OF SPECIFICATIONS

MAKE: _____
 MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
3	0	EA	\$92,381.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility
 41 FT. PERSONNEL-2 MAN, UTILITY BODY 19,000LB.
 41 FT. PERSONNEL AERIAL WITH 24X48 BUCKET, 2-MAN PLATFORM.
 180 DEGREE ROTATOR ON UTILITY BODY (19,500 GVWR, 84" CA CHASSIS)
 SEE LINE 03 OF SPECIFICATIONS.

MAKE: _____
 MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
4	0	EA	\$118,523.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility
 50 FT. PERSONNEL-2 MAN, SIGN BODY
 50 FT. PERSONNEL AERIAL WITH 24X48 BUCKET, 2-MAN PLATFORM.
 180 DEGREE ROTATOR ON SIGN BODY (37,000 GVWR, 108" CA CHASSIS)
 SEE LINE 04 OF SPECIFICATIONS.

MAKE: _____
 MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
5	0	EA	\$119,678.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility
 50 FT. PERSONNEL-2 MAN, TELESCOPIC, UTILITY BODY (37,000LB)
 50 FT. PERSONNEL AERIAL WITH 24X48 BUCKET, 2 MAN TELESCOPIC PLATFORM.
 180 DEGREE ROTATOR ON UTILITY BODY (37,000LB GVWR, 108" CA CHASSIS)
 SEE LINE 05 OF SPECIFICATIONS.

MAKE: _____
 MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
6	0	EA	\$142,486.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility
 50 FT. PERSONNEL-2 MAN, 3-STAGE TELESCOPIC, SIGN BODY
 50 FT. PERSONNEL AERIAL WITH 24X48 BUCKET, 2 MAN 3-STAGE TELESCOPIC (NON-ARTICULATING) PLATFORM.
 180 DEGREE ROTATOR ON SIGN BODY (37,000 GVWR, 108" CA CHASSIS)
 SEE LINE 06 OF SPECIFICATIONS.

MAKE: _____
 MODEL: _____

COMMODITY / SERVICE INFORMATION

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
7	0	EA	\$140,696.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility

50 FT. PERSONNEL-2 MAN, EXT REACH TELESCOPIC, UTILITY BODY

50 FT. PERSONNEL AERIAL WITH 24X48 BUCKET, 2 MAN WITH EXTENDED SIDE REACH TELESCOPIC AERIAL PLATFORM.

180 DEGREE ROTATOR ON UTILITY BODY (37,000 LB GVWR, 108" OR 120" CA CHASSIS)

SEE LINE 07 OF SPECIFICATIONS.

MAKE: _____

MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
8	0	EA	\$130,029.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility

60 FT. PERSONNEL-2 MAN, SIGN BODY

60 FT. PERSONNEL AERIAL WITH 24X48 BUCKET, 2-MAN PLATFORM.

180 DEGREE ROTATOR ON SIGN BODY (37,000 GVWR, 108" CA CHASSIS)

SEE LINE 08 OF SPECIFICATIONS.

MAKE: _____

MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
9	0	EA	\$132,513.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility

60 FT. PERSONNEL-2 MAN, UTILITY BODY

60 FT. PERSONNEL AERIAL WITH 24X48 BUCKET, 2-MAN PLATFORM.

180 DEGREE ROTATOR ON UTILITY BODY (37,000 GVWR, 108" CA CHASSIS)

SEE LINE 09 OF SPECIFICATIONS.

MAKE: _____

MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
10	0	EA	\$245.000000	\$0.00			\$0.00	\$0.00

0658582 - TRAY ASSEMBLY, TOOL COMPARTMENT BOXES

TOOL TRAY AT PLATFORM

TOOL TRAY AT PLATFORM

TRAY FOR TOOL STORAGE AT PLATFORM.

SEE LINE 010 OF SPECIFICATIONS.

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
11	0	EA	\$471.000000	\$0.00			\$0.00	\$0.00

2852731 - CONTACTORS, LIGHTING, REMOTE CONTROL

REMOTE CONTROL LIGHT WITH MAGNETIC BASE

REMOTE CONTROL LIGHT WITH MAGNETIC BASE

GO-LIGHT (400,000 CP) WITH MAGNETIC BASE AND REMOTE CONTROL. THIS OPTION WILL ALSO INCLUDE TWO (2) WEATHERPROOF

12 VOLT OUTLETS.

SEE LINE 011 OF SPECIFICATIONS.

MAKE: _____

MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
12	0	EA	\$2,650.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility

REAR OPERATOR'S PLATFORM

REAR OPERATOR'S PLATFORM

SLIDE OUT OPERATOR'S PLATFORM AT REAR OF TRUCK FROM ICC BUMPER. PLATFORM TO BE APPROXIMATELY 24"X24" AND SLIDE UNDER TAIL SHELF WHEN NOT IN USE.

SEE LINE 012 OF SPECIFICATIONS.

COMMODITY / SERVICE INFORMATION

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
13	0	EA	\$8,557.000000	\$0.00			\$0.00	\$0.00

54556 - Post Straighteners and Pullers, Hydraulic
 FRONT BUMPER POST PULLER W/ AUX LIGHTS
 FRONT BUMPER POST PULLER OPTION (WITH AUXILIARY LIGHTS)
 POST PULLER WILL BE A BEMIS-BRAWNY MODEL PPF195. INSTALL A POST PULLER ON FRONT OF TRUCK IN LIEU OF FRONT BUMPER.
 INCLUDES "D-RINGS" ON FRONT BUMPER. OPERATIONS AND MAINTENANCE MANUALS TO BE FURNISHED WITH EACH POST PULLER.
 THIS OPTION TO INCLUDE AUXILIARY HEADLIGHTS WITH TURN SIGNALS AND MASTER SWITCH IN CAB. LIGHTS MUST MEET ALL
 FEDERAL AND STATE HIGHWAY LIGHTING REQUIREMENTS. FMVSS NO. 108 (NEEDED DUE TO POST PULLER OBSTRUCTING THE OEM
 CHASSIS LIGHTS). IF THIS OPTION IS SELECTED, LED "FRONT" FLASHER MOVED TO FRONT OF EXTENDED BUMPER.
 SEE LINE 013 OF SPECIFICATIONS.

MAKE: _____

MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
14	0	EA	\$3,059.000000	\$0.00			\$0.00	\$0.00

54556 - Post Straighteners and Pullers, Hydraulic
 PORTABLE HYDRAULIC POST PULLER
 PORTABLE HYDRAULIC POST PULLER.
 POST PULLER TO INCLUDE SET OF 8 FT. HYDRAULIC HOSES, TOOL COUPLINGS, CONTROLS, AND ALL OPERATORS MANUALS.
 FAIRMONT 42237, STANLEY PP10 OR EQUAL.
 SEE LINE 014 OF SPECIFICATIONS.

MAKE: _____

MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
15	0	EA	\$3,179.000000	\$0.00			\$0.00	\$0.00

54556 - Post Straighteners and Pullers, Hydraulic
 PORTABLE HYDRAULIC POST DRIVER
 PORTABLE HYDRAULIC POST DRIVER.
 POST DRIVER TO INCLUDE SET OF 8 FT. HYDRAULIC HOSES, TOOL COUPLINGS, CONTROLS, AND ALL OPERATORS MANUALS. MODEL
 RHINO HPD60.
 SEE LINE 015 OF SPECIFICATIONS.

MAKE: _____

MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
16	0	EA	\$1,770.000000	\$0.00			\$0.00	\$0.00

54509 - Chain Saws
 HYDRAULIC CHAINSAW
 HYDRAULIC CHAINSAW
 HYDRAULIC LONG REACH CHAINSAW, 64" INCHES LONG WITH 14" BAR. INCLUDE SET OF 8 FT. HYDRAULIC HOSES, TOOL COUPLINGS,
 CONTROLS, AND ALL OPERATORS MANUALS.
 SEE LINE 016 OF SPECIFICATIONS.

MAKE: _____

MODEL: _____

Line	Quantity	UOM	Unit Price	Service Amount	Service From	Service To	Line Sub Total	Line Total
17	0		\$0.000000	\$0.00			\$0.00	\$0.00

06510 - Bodies, Utility
 OPTIONS
 OPTIONS:

Approved: 

Purchasing Director

APPROVALS			
Date	Status Before	Status After	Approver

Final

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Authority:

The Department of Finance Code of Administrative procedure, Chapter 356-4-1 effective September 7, 2012 is incorporated by reference and made a part of this document. To view the Code of Administrative procedures visit our website www.purchasing.alabama.gov.

Choice of Law; Venue:

This Contract will be governed by laws of the State of Alabama and the sole venue for litigation and alternative dispute resolution activities will be the City of Montgomery in the State of Alabama.

Not to Constitute a Debt of the State:

The terms and commitments contained in the RFB, or any contract resulting from this RFB, shall not constitute a debt of the State of Alabama, the incurring of which is prohibited by Section 213 of the Official Recompilation of the Constitution of Alabama, 1901, as amended by Amendment No. 26.

Bid Response Instructions:

In order to submit a responsive bid, bidder must read and follow all instructions, terms, conditions and specifications of this solicitation.

1. Bid envelope(s)/package(s)/box(es) must be identified with the bid number and opening date. Each individual bid must be submitted in a separate envelope. Responses to multiple bid numbers submitted in the same package that are not in separate envelopes and properly identified will be rejected. The Division of Purchasing does not assume responsibility for late bids for any reason including those due to postal or courier service. Bid responses must be in the Division of Purchasing office prior to the "close date and time" indicated on the bid.
2. Bid responses must be in ink or typed on this document, or replicated in the exact format. Signatures must be handwritten originals in ink or the bid will be rejected. Unless indicated in the bid, all price pages must be completed and returned. If an item is not being bid, identify it as N/B (no-bid). Pages should be secured. The Division of Purchasing does not assume responsibility for missing pages. Faxed/emailed bid responses will not be accepted.
3. The unit price always governs regardless of the extended amount. A unit price change on a line must be initialed by the person signing the bid or that line will be rejected. Price changes include but are not limited to cross-out, strike-over, ink-over, white-out, erasure, or any other method changing the price.
4. The Division of Purchasing requires an original and a minimum of one exact copy of the signed, notarized bid to include any required addendum(s) and documentation. The original and the copy should be submitted together as a bid package.
5. An improperly submitted bid, late bid or a bid that is canceled on or before the opening date may be retrieved during normal business hours. These bids will be held for 90 days then destroyed. The Division of Purchasing assumes no responsibility for the document after 90 days. Bids retrieved by vendor(s) are considered withdrawn and vendor(s) relinquishes all rights to protest.

Bid rejection:

Bidders shall not place any qualification, exceptions, conditions, reservations, limitations, or substitutions in their bid concerning the contract terms and conditions. Any such qualifications, exceptions, conditions, reservations, limitations or substitutions shall result in rejection of the bid.

Bids that are improperly submitted or received late will be documented for record but will not be returned nor will bidder be notified.

The following is a partial list whereby a bid response will be rejected:

Bid number not on envelope/package/box
 Bid responses with multiple bid numbers in same envelope not properly identified
 Bid responses received late
 Bid responses not signed/not original signature
 Bid responses not notarized/not original signature of notary and/or notary expiration
 Bidder notarized own signature
 Required information not submitted with bid response
 Failure to submit the original bid and a complete exact copy
 Bid response received from non-subscribed/expired vendor

Beason-Hammon Alabama taxpayer and Citizen Protection Act (Act 2011-535 and as amended by Act 2012-491)

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As a condition for award of this bid, the vendor acknowledges the following:

“By signing this contract, the contracting parties affirm, for the duration of any agreement that they will not violate federal immigration law or knowingly employ, hire for employment, or continue to employ an unauthorized alien within the State of Alabama. Furthermore, a contracting party found to be in violation of this provision shall be deemed in breach of the agreement and shall be responsible for all damages resulting therefrom.”

Verification of enrollment in the E-verify program will be required prior to any award to a vendor who employs one or more employees within the State of Alabama. E-verify documentation should be identified with the bid number and the buyer name. Failure to provide documentation within 5 calendar days of notification will result in the rejection of your bid. To enroll in the E-verify program visit www.dhs.gov/e-verify.

Certification Pursuant to Act no. 2006-557

Alabama Law (section 41-4-116, Code of Alabama 1975) provides that every bid submitted and contract executed shall contain a certification that the vendor, contractor, and all of its affiliates that make sales for delivery into Alabama or leases for use in Alabama are registered, collecting, and remitting Alabama state and local sales, use, and/or lease tax on all taxable sales and leases into Alabama. By submitting this bid, the bidder is hereby certifying that they are in full compliance with Act no. 206-557, they are not barred from bidding or entering into a contract pursuant to 41-4-116, and acknowledges that the awarding authority may declare the contract void if the certification is false.

Information and assistance to minority and women-owned businesses in acquiring M/WBE certification may be obtained from the office of minority business enterprises at www.adeca.alabama.gov

In compliance with Act 2016-312, by submitting this bid the contractor hereby certifies that it is not currently engaged in, and will not engage in, the boycott of a person or an entity based in or doing business with a jurisdiction with which this state can enjoy open trade.

*****STANDARD TERMS and CONDITIONS*****

Vendor Registration and Subscription Fee

Vendors may receive bid notices by registering at the State of Alabama vendor self-service (VSS) portal, <https://procurement.staars.alabama.gov>. Vendors wishing to respond to bids must be subscribed. Bid responses will not be accepted from non-subscribed vendors. Once registered you may subscribe by clicking the “pay subscription fee” tab at the top of the VSS home page. Payments must be made by credit or debit card. Vendors should provide their VSS assigned vendor number on all bid responses. A vendor’s subscription must be maintained throughout the term of an awarded contract, to include renewal periods.

Non-appropriation of funds

Continuation of any agreement between the State and a bidder beyond a fiscal year is contingent upon continued legislative appropriation of funds for the purpose of this bid and any resulting agreement. Non-availability of funds at any time shall cause any agreement to become void and unenforceable and no liquidated damages shall accrue to the state as a result. The State will not incur liability beyond the payment of accrued agreement payment.

Proration

Any provision of a contract resulting from this bid to the contrary notwithstanding, in the event of failure of the State to make payment hereunder as a result of partial unavailability, at the time such payment is due, of such sufficient revenues of the State to make such payment (proration of appropriated funds for the State having been declared by the governor pursuant to Section 41-4-90 of the Code of Alabama 1975), the contractor shall have the option, in addition to the other remedies of the contract, of renegotiating the contract (extending or changing payment terms or amounts) or terminating the contract.

Intent to Award

The State of Alabama – Division of Purchasing will issue an ‘Intent to Award’ before a final award is made. The ‘Intent to Award’ will continue for a period of five (5) calendar days, after which the award will be final provided there are no protests. Upon final award, all rights to protest are forfeited. A detailed explanation of this process may be reviewed in the Alabama Administrative Code – Chapter 355-4-1(14). All protest communications filed via email must be sent to protests@purchasing.alabama.gov

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Alternate Bid Response

Unless stated elsewhere in this Invitation-to-Bid (ITB) the State of Alabama will accept and evaluate alternate bid submittals on any ITB's provided the response meets all bid requirements.

Internet Website Link's

Internet and/or website links will not be accepted in bid responses as a means to supply any requirements stated in this (Invitation-to-Bid) ITB.

Product Delivery, Receiving and Acceptance

In accordance with the Universal Commerce Code (Code of Alabama, Title 7), after delivery, the State of Alabama has the right to inspect all products before accepting. The State will inspect products in a reasonable timeframe. Signature on a delivery document does not constitute acceptance by the State. The State will accept products only after satisfactory inspection.

Sales Tax Exemption

Pursuant to the Code of Alabama, 1975, Title 40-23-4 (A)(11), the State of Alabama is exempt from paying sales tax. An exemption letter will be furnished upon request.

Invoices

Inquiries concerning invoice payments are to be directed to the receiving agency.

Bid Responses and Bid Results

Unevaluated Bid Responses are available on our website at www.purchasing.alabama.gov. The complete bid file will be made available for review in the Division of Purchasing by scheduling an appointment. We do not provide copies of bid files.

Foreign Corporation – Certificate of Authority

Alabama Law provides that a foreign corporation (an out-of-state company/firm) may not transact business in the State of Alabama until it obtains a Certificate of Authority from the Secretary of State. Section 10-2B15.01, Code of Alabama 1975. To obtain forms for a Certificate of Authority, contact the Secretary of State, Corporations Division, (334) 242-5324. The Certificate of Authority does not prevent the vendor from submitting a bid.

Alabama Preferred Vendor

A "Preferred Vendor" shall be a person, firm, or corporation that is granted preference priority by meeting all of the following criteria as established by the Code of Alabama Section 41-16-20.

Priority 1. Produces or manufacturers the product within the State.

Priority 2. Has an assembly plant or distribution facility for the product within the State.

Priority 3. Is organized for business under the applicable laws of the State as a corporation, partnership, or professional association and has maintained at least one retail outlet or service center for the product or service within the State for not less than one year prior to the deadline date for the competitive bid.

Preferred vendor status must be indicated on the pricing page(s) of your bid response in order to be considered for preferred vendor preference. By signing this bid, you affirm that the item(s) indicated meet all three criteria of a preferred vendor.

Bid item(s) meeting the criteria of preferred vendor where pricing is within 1% of the lowest compliant bid may be considered for award by the awarding authority.

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PURPOSE:

THE PURPOSE OF THIS RFB IS TO ESTABLISH A STATEWIDE CONTRACT FOR AERIAL PLATFORM, SIGN AND UTILITY TRUCK BODIES.

IN ADDITION TO THE STATE OF ALABAMA AGENCIES, THIS CONTRACT WILL ALSO BE MADE AVAILABLE TO OTHER LOCAL GOVERNMENT ENTITIES SUCH AS COUNTIES, CITIES, SCHOOLS, ETC.

AWARD:

AWARD SHALL BE MADE TO THE LOWEST RESPONSIBLE BIDDER MEETING ALL SPECIFICATIONS. THIS IS AN ALL OR NONE AWARD.

AWARDED VENDOR MUST BE LOCATED IN THE STATE OF ALABAMA.

MANUFACTURER/ITEM NUMBERS:

YOU MUST LIST THE MANUFACTURER AND ITEM NUMBER IN THE SPACE PROVIDED FOR IN EACH COMMODITY DESCRIPTION.

FAILURE TO COMPLETE THIS INFORMATION WILL RESULT IN BID REJECTION.

FREIGHT:

ANY FREIGHT CHARGES MUST BE INCLUDED IN THE RFB PRICE.

CONTRACT PERIOD:

ESTABLISH A 12 MONTH CONTRACT WITH AN OPTION TO EXTEND FOR A SECOND, THIRD, FOURTH, AND FIFTH 12 MONTH PERIOD WITH THE SAME PRICING, TERMS AND CONDITIONS. THE SECOND, THIRD, FOURTH, OR FIFTH 12 MONTH PERIOD, IF AGREED BY BOTH PARTIES, WOULD BEGIN THE DAY AFTER THE FIRST, SECOND, THIRD, OR FOURTH 12 MONTH PERIOD EXPIRES. ANY SUCCESSIVE EXTENSION MUST HAVE WRITTEN APPROVAL OF BOTH THE STATE AND VENDOR.

PLEASE NOTE: THE EXACT BID COPY REQUIREMENT PER ITEM NUMBER 4 UNDER AUTHORITY OF THIS RFB. PLEASE NOTE: FAILURE TO PROVIDE THE REQUIRED COPY WITH YOUR BID WILL RESULT IN THE REJECTION OF YOUR BID.

PLEASE NOTE: ALL PRICES MUST BE GIVEN PER THE UNIT OF MEASURE IN THE UNIT PRICE SPACE OF THE RFB DOCUMENT. FAILURE TO PROVIDE THE UNIT PRICE AS OUTLINED ABOVE WILL RESULT IN THE REJECTION OF YOUR BID.

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STATE OF ALABAMA

T911

SPECIFICATIONS FOR A 41 FOOT INSULATED HYDRAULIC TELESCOPIC AERIAL DEVICE WITH SIGN BODY

This specification is to set forth the specific requirements for a 41 foot to bottom of platform, hydraulic operated, telescopic aerial device equipped with single platform and with a steel sign body mounted on an appropriate chassis/cab. These insulating aerial device requirements shall also include an insulating lower arm insert, insulating telescopic upper boom and a dielectrically tested insulating control handle, with upper control isolation system at the boom tip, offering an additional layer of secondary dielectric protection for the operator.

This aerial device shall be to the manufacturer's standard. It shall be equipped with the manufacturer's equipment and accessories which are included as standard in the advertised and published literature for the unit. No such item of equipment or accessories shall be removed or omitted for the reason that it was not specified in the bid.

LINE 01 41ft Articulating Telescopic Personnel Aerial Device with Two Man (24"x48") Platform, 180 Degree Platform Rotator, and Sign Body (for a 25,999 GVWR, 108" CA Chassis)

AERIAL DEVICE SPECIFICATIONS

41ft. Articulating Telescopic Aerial Device with a fiberglass upper boom and fiberglass insulator in the articulating arm and proportional joystick upper controls. Built in accordance to these standard specifications and to include the following features:

Ground to Bottom of Platform Height: 40.8 feet at 7.3 feet from centerline of rotation

Working Height: 45.8 feet

Maximum reach to edge of platform with Upper Boom Non- over center: 30.1 feet (at 17.3 feet platform height)

Upper boom extension: 110 inches

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AERIAL DEVICE OPTIONS

Continuous rotation

Articulating Arm: Articulation is from -3 to 82 degrees. Insulator provides 19 inches of isolation.

Compensation System: By raising the articulating arm only, the telescopic boom maintains its relative angle in relation to the ground. The work position is achieved through a single function operation.

Upper Boom: Articulation is from -25 to 85 degrees. The fiberglass section provides a minimum of 10.9 inches of isolation in the upper boom (when retracted and 42.3 inches when extended).

Platform leveling is achieved by a hydraulic master-slave leveling system. This lifetime system is very low maintenance.

The dielectrically tested, insulating upper control system includes the following boom tip components that can provide an additional layer of secondary electrical contact protection.

Control Handle: A single handle controller incorporating high electrical resistance components that is dielectrically tested to 40 kV AC with no more than 400 microamperes of leakage. The control handle is green in color to differentiate it from other non-tested controllers. The handle also includes an interlock guard that reduces the potential for inadvertent boom operation.

Auxiliary Control Covers: Non-tested blue silicon covers for auxiliary controls.

Control Console: Non-tested non-metallic control console plate.

Boom Tip Covers: Non-tested non-metallic boom tip covers. The covers are not dielectrically tested, but they may provide some protection against electrical hazards.

Hydraulic system: Open center (full pressure), maximum flow 6 GPM, maximum operating pressure 3,000.

Dielectric rating: Category C, 46 kV and below

Unit is painted with a powder coat paint process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electrostatically applied to the inside as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection.

Manuals: Two (2) Operator's and two (2) Maintenance/ Parts manuals containing instructional markings indicating hazards inherent in the operation of an aerial device.

Unit meets or exceeds ANSI 92.2 standards.

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Outrigger/Boom Interlock System: Prevents boom from being unstowed until outriggers have been at least partially deployed.

Outrigger/Unit Selector Control: Located near the outrigger controls, allows operator to divert hydraulic oil from machine circuit for outrigger operation. This reduces the potential for inadvertent outrigger movement during machine operation if outrigger controls are bumped.

Outrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.

Back-up Alarm, installed

Diagnostic Pressure Test Quick Disconnect Couplings: are located at the turntable to allow a mobile service technician to quickly and easily attach a test gauge to verify system and tool circuit pressure. This reduces life cycle cost.

ISO 9001: This aerial device is designed in a facility that is certified to meet ISO 9001 requirements.

Steel Reservoir, 15-gallon capacity, triangular, 17" L x 17" W x 24" H, and includes breather caps and dipsticks, located at the front of the cargo area

Single two-man end-mounted platform with rotator. Platform is 24 x 48 x 42 inches high, rated at 600 pounds capacity, and rotates hydraulically 180° about the boom tip. Two steps on platform.

Hydraulic Tool Circuit at Platform: Control easily accessible to the operator activates the tool circuit. One set of hydraulic tool outlets at the boom tip; they consist of one set of quick disconnect couplings at the platform, a valve assembly inside the control cover, and detented control handle. Operates open center tools

Soft platform cover for one-man platform, 24 x 48 inches

Polyethylene platform liner for one-man platform, 24 x 48 inches, 50 kV rating (minimum)

Platform Leveling Control at lower controls

Engine start/stop with emergency operating system, 12 VDC electric powered. Includes pump and motor, operates from chassis battery. Control is captive air operated from the platform and toggle switch operated from the lower controls. This option allows the operator to completely stow the booms and platform in a situation wherein the primary hydraulic source fails.

Fall Protection System to include one body harness and decelerating type lanyard. Harness has adjustable slide buckle on shoulder straps, Velcro chest strap, interlocking buckles on leg straps and nylon web loop fail arrest attachment on back. Lanyard has built in shock absorber that allows 28 inches of automatic adjustability.

Primary, vertical outrigger installed at front, behind chassis cab with 85.5 inches of spread at maximum penetration. Outrigger control valves, includes one single-spool valve installed at left rear of tailshelf and one single-spool valve installed at right rear of tail shelf.

Auxiliary Outriggers "Modified A" frame outriggers at the rear of the body mounted below the bed level with sub frame. Outriggers to have approximately 15" ground clearance and approximately 6" of penetration, with an approximate 36" frame height. Each outrigger is to be equipped with integral holding valve, and must be an integral part of unit mainframe. Chassis CA to be 108". Controls to be located at the rear of body

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Rubber Wheel chocks, (pair) 10 inches long x 8 inches wide x 5-1/2 inches high

UNIT AND HYDRAULIC ACCESSORIES

Scuff pad for 24 x 48-inch platform liner to protect liner floor with step Hydraulic oil and lubricants

Hydraulic pump installed in conjunction with power takeoff

Automatic (Auto Retract) Hydraulic hose reel with 35 ft. of hydraulic hose and couplings. Adjustable flow valve at rear of truck to adjust flow setting to tool. Hanney Reel or equal

Power Distribution Module is a compact self-contained electronic system that provides a standardized interface with the chassis electrical system. The Power Distribution Module (PDM) is composed of a main board, approximately 12.0 x 13.0 inches, designed to be mounted behind the driver's seat, inside the cab. Additional modules plug in to accommodate various options such as engine start/stop, variable throttle control, power take off, interface with Allison World transmission, and engine speed control module for specific engines and chassis. In addition to the above potential options, the PDM also provides up to 16 accessory circuits to be used for controlling other customer specified electrical components. The PDM includes built in test capabilities and diagnostic input, output and status LED's to quickly assess the PDM's performance. All components are circuit board mounted to facilitate replacement and reduce repair time should it be required.

The PDM provides benefits to the customer by providing a standardized, centrally located box that greatly reduces troubleshooting time when evaluating ancillary electrical system malfunctions, thereby reducing maintenance costs.

Power take-off to be installed in conjunction with transmission

SIGN BODY

Custom Sign Body, suitable for installing on any chassis with an approximate CA dimension of 108 inches, built in accordance with the following specifications:

- 16 gauge outside panels
- 16 gauge top panels
- 14 gauge end panels
- 20 gauge inner door panels
- 18 gauge outer door panels
- 18 gauge shelving, spangled steel
- 14 gauge wheel panels
- 12 gauge steel floor, formed checker plate Structural channel crossmembers
- Treadplate on tops of boxes

Body Dimensions:

1. 156" overall length.
2. 94" outside width.

Compartmentation - Curbside:

Front Storage Box — 21H x 24 W x 18 D with fold down door, and chain stop
Second Vertical — Access steps into compartment with chain storage under step

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Sign Storage Compartment — 37"H x 37"W x 37"D with vertical dividers (pocket separators) on 1.5" centers, with three (3) additional full length vertical dividers equally spaced (Signs to store vertically). Box to have a 15" high fold-down door, hinged at bottom. Door to pin each side of box.

Rear Storage Box — 37"H x 26"W x 18" D with fold down door, and chain stop

Rear Underslung Box — 21"H x 22"w x 18"D with fold down door and chain stop

Compartmentation - StreetSide:

Front Storage Box - 31H x 21-3/4W x 18 D with fold down door, and chain stop

Sign Storage Compartment — 31"H x 31"W X 24"D with vertical dividers (pocket separators) on 1.5" centers, with three (3) additional full length vertical dividers equally spaced (Signs to store vertically). Box to have a 15" high fold-down door, hinged at bottom. Door to pin each side of box.

Rear Storage Box — 31 "H x 56"W x 18" D with fold down door, and chain stop

Front Underslung Box — 21"H x 48"W x 18"D with fold down door, and chain stop

Rear Underslung Box — 21"H x 32"W x 18"D with fold down door, and chain stop

Sign Post End Opening Box — 12"H x 168"L x 18"W, installed on top of street side compartments with drop down door at the rear. Heavy duty construction to support sign post.

Other Features:

Heavy-gauge welded steel base construction with safety tread floor.

Tread plate installed on compartment tops

Door header drip rail at top for maximum weather protection.

Metal formed fenders.

Automotive undersea' applied to entire understructure.

Prime painted

Automotive type non-porous door seals mechanically fastened to the door facing. Wheel chock holders installed one (1) each side of body in fender panel

Drop-in 2" x 6" pressure treated wooden tailboard

Stainless Rotary Paddle Latches on all doors

Chains on Horizontal doors

Latch cover on Horizontal door

Custom Body Cargo Retaining Side Boards and Tailgate for rear platform: Removable metal side boards and hinged tailgate constructed of 10-gauge metal 6 inches high, top and bottom rails formed to provide 2-inch lip on top and bottom. Rear tailgate to fold down with locking mechanism at top corners. Stakes for side board to be 3-inch structural channel.

Note: Tailgate fold down position must not cover clearance or tail/stop lights

Heavy Duty Extended Front Bumper — Bumper to be 24" with tread plate top. Install "D-Rings" on front bumper (or Bemis Pole Puller if option chosen)

Sub-base storage with fold down door at the rear. Compartment to be divided Additional Body/ Chassis Accessory Body option with sign storage in longitudinal storage box (108 CA) platform extension installed rear of body, sufficient to allow for longitudinal storage box, 6in height x 168in deep x space between body longitudinal sub-frame members approximately 36inches. Longitudinal storage box to have three compartments, one for hydraulic pole saw, one 147in deep, and one 123 in deep. Include bottom-hinged door, 12-gauge galvaneal with lock and heavy duty full width hinge

BODY ACCESSORIES

Grab handles, installed one on curbside rear corner of tail shelf and one on rear vertical curbside corner of the body.

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Cable step installed at curbside rear corner of tail shelf.

Boom storage support installed at StreetSide rear of cargo area. Installed as close to StreetSide cargo area wall as feasible to maximize access to cargo area.

Platform rest, rubber tube type. Installed directly on tail shelf, bolted and positioned under platform for support of platform during transit.

Splash aprons (mud flaps) installed behind rear tires. One each side of body.

Holder for post driver at rear of truck. Holder to be constructed of 4" pipe, rubber in bottom (to cushion driver), and drain holes.

6" Combo "V"/Flat Pipe Vise. Vice to include mounting bracket with removable insert. 2" square receptacles, (one each side) so that vise can be moved to each side.

Outtrigger pad holders installed on body. Installed below first vertical compartments, one each side of body. To include a retaining arm to keep outrigger pads in holder while in transit.

Outtrigger pads installed in outrigger pad holders, Wood type outrigger pads installed one per side of body.

Pintle hook installed on the frame extension. To also include two (2) safety chain eyes installed one ea& side of pintle hook.

ELECTRICAL

Note: All lighting LED

LED Lights and reflectors in accordance with FMVSS lighting package, installed Compartment lights to be strip or rope style LED. Wire compartment lights to dash mounted switch.

Trailer Receptacle, installed at rear

Two (2) LED Amber strobe installed on post each side, front of cargo area with master switch and indicator light installed in cab. Strobe light is to be visible from the front and rear of the vehicle.

Six Point LED Strobe System — Two on front bumper (or Bemis pole puller bumper) two rear in light channel, one each side near rear tire. Wire to master switch in cab.

Dimensions Unlimited model DUI-12/2400N inverter to be installed in right front compartment. Auxiliary GFCI weatherproof outlet at rear, curb side of body light channel.

Four (4) Recessed LED Flood Lights — Two (2) in cargo area and two (2) on sides or body near rear tire well. Wire to master switch in cab.

Wire reverse lights to mater switch in cab, to be used as rear flood lights.

Outtrigger Motion Alarm: Provides audible alarm when any of the outriggers are in motion.

Backup alarm, installed at rear.

Hour meter installed to record PTO operating hours

Install modular in-cab accessory switch panel with dual lit switches for function identification and function activation.

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INSTALLATION

Mounting Aerial Device

Painting Aerial Device white with a Powder Coat Paint Process which provides a finish-painted surface that is highly resistant to chipping, scratching, abrasion and corrosion. Paint is electro-statically applied to the **inside** as well as outside of fabricated parts then high temperature cured prior to assembly ensuring maximum coverage and protection

Mounting body and accessories

All hydraulic tools and accessories to be tested for proper operation before completed truck leave the manufacturing facility.

Painting body and accessories white with urethane enamel Safety and Instructional Signs, installed

Pre-Paint inspection is required at the plant or facility at the expense of the bidder. The bidder to provide transportation, lodging if applicable. Two day maximum.

ADDITIONAL UNITS AND BODIES

LINE 02 41ft Articulating Telescopic Material Handling Aerial Device with Single Man (24"x30") Platform, 180 Degree Platform Rotator, and Sign Body (for 25,999 GVWR, 108" CA Chassis)

Note: Material Handling Jib Option is the only difference between Line 1 and Line 2

Sign Body

Hydraulically articulating jib. Material handling system comes with 80ft of 0.50-inch polyester double braid rope and a metal thimble in the working end. Minimum breaking strength of the rope is 8,400 lbs. Material handling capacity is dependent upon upper boom extension and lower boom articulation angle. This option will include a 24" x 30" x 42" platform with 180-degree platform rotator. (Must be select "40 ft. Aerial Option").

LINE 03 41ft Articulating Telescopic Personnel Aerial Device with Two Man (24"x48") Platform and Utility Body (for a 19,500 GVWR, 84" CA Chassis)

Note: Utility Body as described below. Include all options from "Aerial Device Options", "Body Accessories", "Electrical", and "Installation" Sections on the base "Sign Body".

Aerial Service Line//Step Body, suitable for installing on any chassis with an approximate CA dimension of 84", built in accordance with the following minimum specifications:

- Body - Fabricated from hot-dipped, galvanized steel with 100% iron zinc alloy coating
1. 16 gauge outside panels
 2. 18 gauge shelving
 3. 12 gauge diamond plate steel floor
 4. 16 gauge end panels
 5. Structural channel sub-base

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6. Full length aluminum drip rail

Body Dimensions:

132 Inch Body Length
94 inch outside width
40 inch body height
20 inch compartment depth 54 inch floor width

Compartmentation - StreetSide:

First Vertical - Two (2) adjustable shelves, Outrigger housing. Second Vertical - Two (2) adjustable shelves
Horizontal — Dividers in bottom of compartment 4" OC Rear Vertical — Six (6) locking swiveling hooks
Through Shelf — Full length of body access door at rear

Compartmentation — Curbside:

First Vertical — Two (2) adjustable shelves, Outrigger housing.
Second Vertical — Access steps with two(2) grab handles
Horizontal — Two (2) adjustable shelves, one (1) divider tray in bottom of compartment.
Rear Vertical — Six (6) locking swiveling hooks

Tail shelf (approx. 24 in.) installed at rear of body

LINE 04 50 ft. Articulating Telescopic Articulating Personnel Aerial Device with Two Man (24"x48") Platform and Sign Body (for a 37,000 GVWR, 108" CA Chassis)

Aerial (Sign Body)

50-foot Telescopic articulating aerial with an insulating lower arm, insulating telescopic upper boom and a dielectrically tested insulating control handle. Platform 24" x 48" x 42" with 180-degree platform rotator.

Ground to Bottom of Platform Height: 49.5 feet at 12.5 feet from centerline of rotation
Working Height — 54.5 feet
Maximum Reach to Edge of Platform: 36.2 feet at 19.9-foot platform height

Note: Sign Body specifications similar to those above. Chassis provided by the State of Alabama, 37,000 GVWR, 84 in. CA

LINE 05 50 ft. Articulating Telescopic Articulating Personnel Aerial Device with Two Man (24"x48") Platform and Utility Body (for a 37,000 GVWR, 108" CA Chassis)

Note: Utility Body as described below. Include all options from "Aerial Device Options", "Body Accessories", "Electrical", and "Installation" Sections on the base "Sign Body".

Utility Line Body, suitable for installing on any chassis with an approximate CA dimension of 84 inches, built in accordance with the following specifications:

Body: Fabricated from A40 grade 100% zinc alloy coated steel with the following minimum gauge thickness:

16 gauge outside panels

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16 gauge top panels
 14 gauge end panels
 20 gauge inner door panels
 18 gauge outer door panels
 18 gauge shelving, spangled steel
 14 gauge wheel panels
 12 gauge steel floor, formed diamond plate Structural channel crossmembers

Body Dimensions:

136-inch overall body length 93 - 94 inch outside width 46-inch body height
 18-inch compartment depth 57 - 58-inch floor width

Compartmentation StreetSide

First Vertical - Two (2) adjustable shelves with removable dividers on 4-inch centers. Second Vertical - Two (2) adjustable shelves with removable dividers on 4-inch centers. Horizontal - One (1) removable shelf with removable dividers on 4-inch centers.

Rear Vertical - Six (6) adjustable locking swivel material hooks (1-4-1)

Through Shelf - Full length of body with two (2) hot stick brackets and access door at rear.
 Compartmentation - Curbside

First Vertical - Two (2) adjustable shelves with removable dividers on 4-inch centers. Second Vertical - Two (2) adjustable shelves with removable dividers on 4-inch centers. Horizontal - Two (2) removable shelves with removable dividers on **4-inch** centers.

Rear Vertical Six (6) adjustable locking swivel material hooks (1-4-1)

Tail shelf (approx. 24 in.) installed at rear of body

LIINE 06 50 ft. 3 Stage Telescopic Aerial Device with Two Man (24"x48") Platform and Sign Body (for a 37,000 GVWR, 108" CA Chassis)

Three stage telescopic, aerial device with an insulating inner boom and dielectrically tested insulating control handle. Platform 24" x 48" x 42" with 180-degree platform rotator. For installation behind the chassis cab.

Ground to Bottom of Platform Height: 50 feet

Working Height - 55 feet

Maximum Reach to Edge of Platform: 41.3 feet at 11-foot platform height

Note: Sign Body specifications similar to those above. Chassis provided by the State of Alabama, 37,000 GVWR, 120 in. CA

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LINE 07 50 ft. 3 Stage Articulating Telescopic Personnel Aerial Device with Two Man (24"x48") Platform and Utility Body (for a 37,000 GVWR, 108" CA Chassis)

50-foot Telescopic articulating aerial with an insulating lower arm, insulating telescopic upper boom and a dielectrically tested insulating control handle. Platform 24" x 48" x 42" with 180-degree platform rotator.

Ground to Bottom of Platform Height: 50 feet at 14.3 feet from centerline of rotation
Working Height - 65 feet
Maximum Reach to Edge of Platform: 41.3 feet at 11-foot platform height

Note: Utility Body as described below. Include all options from "Aerial Device Options", "Body Accessories", "Electrical", and "Installation" Sections on the base "Sign Body".

Body, suitable for installing on any chassis with an approximate CA dimension of 108 or 120 inches, built in accordance with the following specifications, including a walk-in step:

Body: Fabricated from A60 grade 100`/0 zinc alloy coated steel with the following minimum gauge thickness:

- 16** gauge outside panels
- 16 gauge top panels
- 14 gauge end panels
- 20 gauge inner door panels
- 20 gauge outer door panels
- 18** gauge shelving, spangled steel **14** gauge wheel panels
- 12 gauge steel floor, formed checker plate Structural channel crossmembers
- Wheel chock holders installed one (1) each side of body in fender panel
- Drop-in tailboard at rear of cargo area

Body Dimensions:

- 170-inch overall body length (approx.) 93 inch outside width
- 46-inch body height
- 18-inch compartment depth
- 57-inch floor width

Compartmentation — Right Side:

- First Vertical — Three (3) adjustable shelves with removable dividers on 4-inch centers
- Second Vertical — Six (6) material hooks.
- Third Vertical — Access steps to cargo area (Treadplate)
- Horizontal — Two (2) fixed shelves with removable dividers on 8-inch centers
- Rear Vertical — Seven (7) material hooks

Compartmentation — Left Side:

- First Vertical — Three (3) adjustable shelves with removable dividers on 4-inch centers
- Second Vertical — Six (6) material hooks beneath shelf.
- Third Vertical — Six (6) material hooks beneath shelf.
- Horizontal — One (1) plain fixed shelf extending through rear vertical compartment
- Rear Vertical — Top portion incorporated into horizontal compartment, lower portion is vacant.
- Through Shelf — From second vertical to rear of left side with hot stick brackets and rear access door

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Tail shelf (approx. 24 in.) installed at rear of body

LINE 08 60 ft. Articulating Telescopic Personnel Aerial Device with Two Man (24"x48") Platform and SIGN Body (for a 37,000 GVWR, 108" CA Chassis)

60-foot Telescopic articulating aerial with an insulating lower arm, insulating telescopic upper boom and a dielectrically tested insulating control handle. Platform 24" x 48" x 42" with 180-degree platform rotator.

Ground to Bottom of Platform Height: 60 feet at 14.3 feet from centerline of rotation

Working Height - 65 feet

Maximum Reach to Edge of Platform: 40.1 feet at 26.6-foot platform height

Note: Sign Body specifications similar to those above. Chassis provided by the State of Alabama, 37,000 GVWR, Approx. 108 in. CA

LINE 09 60 ft. Articulating Telescopic Personnel Aerial Device with Two Man (24"x48") Platform and Utility Body (for a 37,000 GVWR, 108" CA Chassis)

Note: Utility Body as described below. Include all options from "Aerial Device Options", "Body Accessories", "Electrical", and "Installation" Sections on the base "Sign Body".

Body, suitable for installing on any chassis with an approximate CA dimension of 108 or 120 inches, built in accordance with the following specifications, including a walk-in step:

Body: Fabricated from A60 grade 100`)/0 zinc alloy coated steel with the following minimum gauge thickness:

16 gauge outside panels

16 gauge top panels

14 gauge end panels

20 gauge inner door panels

20 gauge outer door panels

18 gauge shelving, spangled steel 14 gauge wheel panels

12 gauge steel floor, formed checker plate Structural channel crossmembers

Wheel chock holders installed one (1) each side of body in fender panel

Drop-in tailboard at rear of cargo area

Body Dimensions:

170-inch overall body length (approx.) 93 inch outside width

46-inch body height

18-inch compartment depth

57-inch floor width

Compartmentation — Right Side:

First Vertical — Three (3) adjustable shelves with removable dividers on 4-inch centers

Second Vertical — Six (6) material hooks.

Third Vertical — Access steps to cargo area (Treadplate)

Horizontal — Two (2) fixed shelves with removable dividers on 8-inch centers

Rear Vertical — Seven (7) material hooks

Compartmentation — Left Side:

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First Vertical — Three (3) adjustable shelves with removable dividers on 4-inch centers

Second Vertical — Six (6) material hooks beneath shelf.

Third Vertical — Six (6) material hooks beneath shelf.

Horizontal — One (1) plain fixed shelf extending through rear vertical compartment

Rear Vertical — Top portion incorporated into horizontal compartment, lower portion is vacant.

Through Shelf — From second vertical to rear of left side with hot stick brackets and rear access door

Tail shelf (approx. 24 in.) installed at rear of body

LINE 10 Tool Tray at Platform

Tray for tool storage at the platform

LINE 11 Remote Control Light with Magnetic Base

Go Light (400,000 CP) with magnetic base and remote control. This option will also include two (2) weatherproof 12-volt outlets.

LINE 12 Rear Operator's Platform

Slide out operator's platform at rear of truck from ICC Bumper. Platform to be approximately 24" x 24" and slide under tail shelf when not in use.

LINE 13 Front Bumper Post Puller Option (with auxiliary lights)

Post Puller will be a Bemis-Brawny model PPF195. Install a Post Puller on front of truck in lieu of front bumper. Includes "D-Rings" on front bumper. Operations and maintenance manuals to be furnished with each post puller. This option to include auxiliary headlights with turn signals and master switch in cab. Lights must meet all Federal and State highway lighting requirements FMVSS No. 108. (Needed due to Post Puller obstructing the OEM Chassis lights). If this option is selected, LED "Front" flashers moved to front of extended bumper.

LINE 14 Portable Hydraulic Post Puller

Post puller to include set of 8 ft hydraulic hoses, tool couplings, controls, and all operator's manuals. Fairmont 42237, Stanley PP10, or equal.

LINE 15 Portable Hydraulic Post Driver

Post driver to include set of 8 ft hydraulic hoses, tool couplings, controls, and all operator's manuals. Model Rhino HPD60.

LINE 16 Hydraulic Chainsaw

Hydraulic long reach chainsaw, 63 inches long with 14" bar. Include set of 8 ft hydraulic hoses, tool couplings, controls, and all operator's manuals.